

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1665	380/277	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L2	2	LAIN-ANTONIO.in. TAYLOR-RICHARD.in. TOFTS-CHRISTOPHER.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L3	173	LAIN-ANTONIO.in. TAYLOR-RICHARD.in. TOFTS-CHRISTOPHER.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L4	100	L3 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L5	8	"6236971".pn. "20020031230" "6301658".pn. "6397329".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L6	23	((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/26 19:47
L7	10	L6 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L8	439	((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L9	10	( ((Revok\$4 or Revocat\$5) with Key\$2).ti. or ((Revok\$4 or Revocat\$5) with Key\$2).ab. ) ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L10	5	L9 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L11	50	("4200770"   "4218582"   "4309569"   "4326098"   "4881264"   "4926480"   "4943707"   "5003597"   "5016274"   "5136646"   "5136647"   "5157726"   "5231666"   "5261002"   "5315657"   "5340969"   "5396624"   "5420927"   "5432852"   "5434919"   "5450493"   "5497422"   "5537475"   "5544322"   "5551027"   "5604804"   "5606617"   "5610982"   "5615268"   "5659616"   "5677955"   "5687235"   "5699431"   "5717757"   "5717758"   "5748738"   "5774552"   "5826262"   "Re34954").PN. OR ("6097811"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/26 19:47
L12	49	L11 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L13	23	L1 ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L14	10	L13 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L15	0	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/26 19:47
L16	8	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/26 19:47
L17	4	L16 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L18	109	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L19	18	L1 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L20	12	L19 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L21	16	("20020090090"   "20040202328"   "5241597"   "5675649"   "5748736"   "5812670"   "6084969"   "6098056"   "6138119"   "6222923"   "6247127"   "6285991"   "6397329"   "6560340"   "6629243"   "6684331").PN. OR ("7039803").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/26 19:47
L22	15	L21 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L23	1	L22 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L24	11	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$).did.	US-PGPUB; USPAT	AND	ON	2007/08/26 19:47
L25	8	((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/26 19:47
L26	4	L25 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L27	254	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4) ) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L28	24	L1 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4) ) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L29	15	L28 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L30	53144	"705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L31	7	L30 L28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L32	6	L31 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L33	20	L30 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L34	16	L33 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L35	104530	"726".clas. or "713".clas. or "380". clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L36	5	( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L37	5	L36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L38	3	L37 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L39	4	L36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) and (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L40	3	L39 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L41	1	L36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47



## EAST Search History

L42	5	L36 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L43	3	L42 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L44	4	L35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) with (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L45	2	L44 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L46	5	L35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) ).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L47	98	L35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. or ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L48	56	L47 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L49	27	L35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ti. ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)).ab. ) ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L50	19	L49 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L51	17	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-6789068-\$ or US-7010125-\$ or US-6775782-\$ or US-6487658-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L52	5	L50 L51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L53	5	L51 L50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L54	14	L50 not L51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L55	1378	L35 ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) (Cost\$3 or Economic\$4 or Commerc\$4 or pay) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L56	27	L35 ( ((Revok\$4 or Revocat\$5) with (Key\$2 or \$4Certif\$8)) same (Cost\$3 or Economic\$4 or Commerc\$4 or pay) same (Group\$4 or Categor\$4 or Type or Class\$2) same (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) ) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4 or \$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L57	13	L56 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L58	20	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$).did. or (US-6236971-\$ or US-6397329-\$ or US-6097811-\$ or US-7068789-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-6789068-\$ or US-7010125-\$ or US-6775782-\$ or US-6487658-\$ or US-6044462-\$). did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L59	6	L58 ((Revok\$4 or Revocat\$5) Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L60	42	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) ) ((Revok\$4 or Revocat\$5) Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L61	9	L60 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L62	3	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) same (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) same (Invalidat\$5 or Ineligib\$4 or Policy\$4) same (Group\$4 or Categor\$4 or Type or Class\$2) ) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L63	0	L62 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L64	3	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) same (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) same (Invalidat\$5 or Ineligib\$4 or Policy\$4) same (Group\$4 or Categor\$4 or Type or Class\$2) ) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L65	1	((Rank\$3 or Grad\$3 or Level) near2 Servic\$3) same (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) same (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) same (Invalidat\$5 or Ineligib\$4 or Policy\$4) same (Group\$4 or Categor\$4 or Type or Class\$2) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/08/26 19:47

## EAST Search History

L66	99	((Rank\$3 or Grad\$3 or Level) with Servic\$3) (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) ) ( ((Revok\$4 or Revocat\$5) with Key\$2) (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Group\$4 or Categor\$4 or Type or Class\$2) ) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Node\$3 or \$4Workstat\$4 or \$4Terminal\$3 or \$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4 or \$4host\$3 or \$4station\$2 or \$4devic\$3) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L67	104530	"726".clas. or "713".clas. or "380".clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L68	43	L66 L67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L69	14	L68 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L70	23	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L71	23	L70 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L72	996	(Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L73	104530	"726".clas. or "713".clas. or "380". clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L74	104530	L73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L75	595	L72 L74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L76	23	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L77	23	L76 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L78	6	L75 L77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L79	996	(Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47



## EAST Search History

L80	104530	"726".clas. or "713".clas. or "380".clas. or "705".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/26 19:47
L81	104530	L80	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L82	595	L79 L81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L83	23	(US-20030149668-\$ or US-20040017916-\$ or US-20030115466-\$ or US-20020007454-\$ or US-20020104001-\$ or US-20040064691-\$ or US-20020046337-\$ or US-20020075844-\$ or US-20020029337-\$).did. or (US-6397329-\$ or US-6236971-\$ or US-6487658-\$ or US-6775782-\$ or US-7068789-\$ or US-6097811-\$ or US-7039803-\$ or US-7028181-\$ or US-6609116-\$ or US-7010125-\$ or US-6789068-\$ or US-6044462-\$ or US-7194426-\$ or US-7177839-\$ or US-6496858-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L84	23	L83 @ad<"20021031"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L85	6	L82 L84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47

## EAST Search History

L86	17	L83 not L85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L87	16	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20020046337-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7010125-\$ or US-7028181-\$ or US-7039803-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L88	14	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7028181-\$ or US-7039803-\$). did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L89	2	"5717758".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L90	15	(US-20030149668-\$ or US-20020029337-\$ or US-20020007454-\$ or US-20030115466-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6487658-\$ or US-7177839-\$ or US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6789068-\$ or US-7028181-\$ or US-7039803-\$ or US-5717758-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47

## EAST Search History

L91	3	L90 (Revok\$4 or Revocat\$5) Key\$2 (Invalidat\$5 or Ineligib\$4 or Policy\$4) (Cost\$3 or Economic\$4 or Commerc\$4 or Valu\$4) (Rank\$3 or Grad\$3 or Level) Servic\$3 (Pay\$3 or Bill\$3 or Fee\$3 or Subscri\$7) (Group\$4 or Categor\$4 or Type or Class\$2) (\$4Client\$3 or \$4User\$2 or \$4Subscrib\$4 or \$4Customer\$4) (\$4Hierar\$7 or \$4Tree\$4) (\$4paren\$4 or \$4Child\$5 or \$4Ances\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L92	16	(US-20020007454-\$ or US-20030115466-\$ or US-20020029337-\$ or US-20030149668-\$ or US-20040017916-\$ or US-20040064691-\$).did. or (US-6044462-\$ or US-6097811-\$ or US-6397329-\$ or US-6487658-\$ or US-6789068-\$ or US-7028181-\$ or US-7039803-\$ or US-7177839-\$ or US-5717758-\$).did. or (US-6438690-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/08/26 19:47
L93	1	10/694824	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47
L94	1	L93 domain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/26 19:47